

Title (en)
METHOD FOR PRODUCING POROUS CERAMIC ARTICLE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES PORÖSEN KERAMIKGEGENSTANDS

Title (fr)
PROCEDE DE PRODUCTION D'ARTICLE EN CERAMIQUE POREUSE

Publication
EP 1541538 B1 20101229 (EN)

Application
EP 03771260 A 20030709

Priority
• JP 0308712 W 20030709
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Abstract (en)
[origin: EP1541538A1] There is disclosed a method of manufacturing a porous ceramic structure, comprising the steps of: preparing a formed structure using a ceramic material containing a pore former and a binder; and drying and firing the formed structure, wherein the process of firing the formed structure comprises the steps of: holding a firing atmosphere temperature in a temperature range of -50 to +10 DEG C with respect to a combustion start temperature of the binder from the time when the temperature reaches the combustion start temperature of the binder contained in the porous ceramic structure to be fired to the time when the binder is burnt out. According to this method, ceramic structures having not only a low porosity but also a high porosity can be manufactured without generating any crack during the firing. <IMAGE>

IPC 8 full level
B01J 27/224 (2006.01); **C04B 38/06** (2006.01); **B01D 39/20** (2006.01); **B01D 53/86** (2006.01); **B01J 35/04** (2006.01); **C04B 35/636** (2006.01); **C04B 35/638** (2006.01); **C04B 35/64** (2006.01); **C04B 38/00** (2006.01); **C04B 41/85** (2006.01)

CPC (source: EP KR US)
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C-Set (source: EP US)
1. **C04B 38/0006 + C04B 35/195 + C04B 38/0645 + C04B 38/067**
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3. **C04B 38/00 + C04B 35/64**

Cited by
US10479734B2; DE112010001885T5; WO2013026168A1; WO2009017688A3; DE102011114465A1; US9919975B2

Designated contracting state (EPC)
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